

GPS at 200m out

The GPS at 200m has quit reporting. It died around 01:00 UTC, April 27.

I noticed 200m was an outlier in the "chronyc sourcestats" output on flux. This listing shows an offset of 1051 microseconds for 200m instead of +-4 microseconds for the others:

```
chronyc sourcestats
210 Number of sources = 6
Name/IP Address          NP  NR  Span Frequency   Freq Skew  Offset  Std Dev
=====
50m                      39  21   10h   -0.000       0.001  -2198ns   13us
100m                     5   4    68m   +0.002       0.124  +4085ns   27us
150m                     32  15  534m   +0.000       0.001  +2403ns   11us
200m                      7   4   103m   +0.058       0.024  +1051us   16us
250m                     43  21   12h   +0.000       0.001  +1879ns   12us
300m                      5   3    68m   -0.001       0.145  -1918ns   31us
```

The serial port doesn't show large values of fe (framing errors) or breaks:

```
root@200m root# cktty 3
3: uart:XR16850 mmio:0x10000000 irq:122 tx:1936 rx:808452280 fe:24 RTS|DTR
```

I don't think power to serial port 3 can be controlled with "tio 3 1/0". When I tried to power off the GPS on 150m, the output to "rs G" did not stop.

As a workaround, I edited /etc/ntp.conf on 200m and added 150m as a server. So there is no urgency to replace this GPS.